

World, national, local news update . . . p.2

Marathon competition obsesses father . . . p.3

Georgetown captures West regionals . . . p.4

Synthetic fuels slow in developing . . . p.7

# The Daily MORMON

in news tips to 378-3630; other calls 378-2957      Brigham Young University      Provo, Utah      Vol. 35   No. 120   Monday, March 22, 1982



Universities photo by Richard Egan  
Representatives from different tribes visited BYU to participate in workshops and activities during Indian Week. Some voiced their opposition to Reagan's budget and the LDS Indian Placement program.

## The correspondent speak at Y Forum

magazine's diplomatic correspondent, Abbott, will speak about "The United States and Prestige" in Tuesday's Forum at 10 a.m. in the Marriott Center. Time's principal writer and reporter on policy and national security affairs, will join on the reasons behind the general in Washington and the United States affects America's influence in the world. The realist will also critique President Reagan's foreign and defense policies. A trustee of Yale University, won the Pulitzer Prize for Distinguished Diplomacy in 1980 and is active in international relations at the Council on Foreign Relations, Rand Corporation and the Stanford Program on International and Disarmament Program. The program will be broadcast live on KBYU-FM 4 televised that evening at 9 p.m. on Channel 11.



STROBE TALBOTT

## Oakridge School

### Students learn by aiding

NANCY STUBBS  
Staff Writer  
BYU the word 'special' is much . . . but these kids are special. They're unique," Karen Boles, an educational psychology major from Charlotte, works with children every day as a student aide at the Oakridge School for the developmentally disabled, a part of the Provo and South districts, has been in for two years. "It's a good thing about being a student," she said, "is the practical experience. That's the best thing about being a student," she said, "is the practical experience. That's the best thing about being a student."

involved in special education. "Where else can you work with perfect people?" she said. The children may not be perfect mentally or physically, "but their spirit is perfect." Kay described the children as "eager to learn. They don't have a mean bone in their bodies." Tyna Crockett, a sophomore from Elkins, Ariz., majoring in speech pathology-elementary education, said the best thing about being an aide at Oakridge is the wide range of experience it gives her. "It's hard to see children going through that. You want to help them so much."

visualized program," she said. The program a child works on is the result of three considerations: a child's developmental level, age-appropriate survival skills, and what they need for survival at their chronological age, and life-goal skills — what they are going to need in the future, Lucido said. Lucido said at least 90 to 95 students from educational psychology and psychology classes work at the school as aides under the direction of the teachers and supervisors. Also, students involved in physical-education classes for the handicapped, student-teaching practicum, and other classes may choose to help out at Oakridge, Lucido said. Since BYU donated the land on which the school is built and Oakridge is so close to BYU's Comprehensive Clinic, the school has become a kind of laboratory facility for educational psychology and other students. Student aides are the main source of help for the full-time faculty and staff. But as the number of students at Oakridge increases more help is needed. According to Sue Geary, instructional coordinator at Oakridge, there were 92 students at Oakridge last year as compared to 104 this year. See STUDENT AIDES page 7

## Indian Week participants voice educational worries

Editor's note: Members of an advanced reporting class interviewed representatives from different tribes who were visiting campus for Indian Week. Many of those interviewed are leaders among their people. These comments, in part, represent how Indians view the LDS placement program and how they see their future as a people in general. During Indian Week, representatives from different tribes came from states across the country to participate in workshops and activities that were both entertaining and educational. A large number of those in attendance are leaders of their tribes and came for the purpose of discussing economic conditions and programs that would help their people. One such leader is Edwin Tafoya, a council member for the Santa Clara Pueblo tribe in New Mexico. Although Tafoya is not a Mormon, he is impressed with what he's seen of the LDS Church Indian Placement Program. He said the program has given his people opportunities they would not otherwise have. "Their potentials aren't fully exposed on reservations," he added. Tafoya said one of the benefits of the placement program is that it allows young people to learn about and adjust to the white man's world. "If you don't get ahead and learn the non-Indian way, you'll be left behind," he said.

MacArthur Norton, associate dean of instruction at the Navajo Community College in Tsaile, Ariz., said the program was effective because it helped the Indian people want to better themselves and become more productive. Norton, a three-quarter Navajo, said the placement program played an important role in the business success of the Navajo people. Some of the older Navajo people feel their culture is being lost, Norton said. But Mrs. Norton disagreed. "If the young people are Mormon they will learn to appreciate their culture even more because the church emphasizes that." Unlike many of the Indians attending Indian Week, Utonah Willie, a college student from Ft. Defiance, Ariz., has never participated in the placement program. She said she feels that although it is important for the Indian people to associate with others, it is also important that they stick together. "If we stay together on the reservation we can pool our resources together to help one another."

This is what my father taught me, that by working together we will grow strong," she said. "If we were to leave the reservation and separate we would only lose our identity." When asked whether the future looks bright for the Indian people, the responses were varying. Tafoya's major concern for his people now is the effect of Reagan's budget cuts. He said the Bureau of Indian Affairs, a nationwide organization, has been cut 50 percent to 70 percent. Because of this, programs like employment assistance and agricultural assistance have been cut substantially. He said the Indian people take these cuts in stride but the changes are "heart felt" nonetheless. Health services have been cut to the point where only emergency help is available. Aid for surgery See INDIAN WEEK page 2

## Y chemistry professor 'converted' to running

By CARRIE PHIPPEN  
Assistant Entertainment Editor  
Dr. Scott Zimmerman, a professor of chemistry at BYU, joined the university's faculty weighing 205 pounds. Today he weighs 165 pounds. As the result of a sport he called boring, time consuming and painful . . . Zimmerman has become a long-distance runner. "I was challenged to run in the BYU Homecoming race, which is five miles, so I decided to start running. At the time I realized how much I hated it, it was so hard. I tried to make five miles, and I'd end up walking home. But it did get easier and it got fun, and I realized that, while having fun, I was getting in shape," Zimmerman said. There was something else, Zimmerman said. He realized he was losing weight, winning a battle he had been fighting his entire life. With this discovery, Zimmerman began a quest to determine the effect exercise has on the body, and why dieting alone could not yield the results exercise combined with dieting could. "I had always had a weight problem, and my wife had always had a problem gaining weight. I started to realize this was a matter of more than self-control. I had the same will power the diet, and yet she did not gain weight," he said. Zimmerman, a biochemist, said he wanted to know what was going on. It did not take long, he said, to discover the body just isn't a simple factory — food put in does not automatically turn to fat. Several chemical factors are involved. He said he first did research to discover why dieting alone is ineffective and the harm it actually does to the body. "I found that if you're not exercising along with your diet, 10 to 40 percent of the weight you lose is protein, not fat, and the first 5 pounds lost is 90 percent protein. So, in the long term you may lose some fat, but it is not nearly what people think they are losing." He said what people do lose is muscle protein,

which causes them to become weaker and also decreases their metabolism. The decrease of the metabolic rate means a person must eat less and less to burn calories, he said. A state of abnormal fatigue known as lethargy causes dieters to feel sluggish, lack energy, crave food and become apathetic. This is one of the major causes people break their diets, according to Zimmerman. He said it is the result of lethargy, once the will power has been lost, that 98 percent of those who do lose weight on a diet will gain it back. The only real answer to sufficient weight loss is exercise and dieting combined, Zimmerman said. He said it is the only way to readjust the body and to burn fat efficiently. A good exercise plan, he said, will work opposite the way a diet works. First of all, exercise decreases appetite contrary to the numbers of calories you burn. It makes one feel better, instead of weak and sluggish, and one just feels better about eating less. Low meats and high fruits and vegetables are the best form of dieting, he said. Zimmerman also said if you have a sweet tooth, go ahead and plan for a desert, just cut down into smaller amounts. "That is the beauty of running. I can eat a piece of apple pie with two scoops of ice cream and not feel guilty about it, because I can run it all off the next day," he said. Zimmerman said there is no scientific reason for cutting out sugar, just as long as you are exercising regularly. He said it is wise to cut down on sugar just before some form of strenuous exercise, such as swimming long distances or marathon running. Another advantage to exercise, Zimmerman said, is that it lowers one's set point, which enables the dieter to refrain from gaining back the weight he has lost. The set-point theory, he said, is that See RUNNER page 3



Universities photo by David Schneider  
Barbara Merrell teaches at the Oakridge School for mentally handicapped. BYU students in educational psychology and other departments spend two hours a week at the school as aides.



## News Spotlight

By THE ASSOCIATED PRESS  
**Shuttle launch on schedule**

CAPE CANAVERAL, Fla. — The weather was perfect, the astronauts ready and the space shuttle fit and trim for a Monday-morning launch — Columbia's third and most ambitious voyage into space. Huge crowds of spectators awaited the roaring spectacle of liftoff.

"We are certainly go," test director Norman Carlson said Sunday. "We're confident of a 10 a.m. EST liftoff." He called it a "clockwork count."

## Budget 'causes' malnutrition

BOSTON — Several Boston pediatricians say some children began suffering from malnutrition after they were cut from federal food programs and predict that other youngsters will face a similar fate if Congress passes President Reagan's next round of budget cuts.

"It's hard to watch kids starve, but that's what we do," said Dr. Jennifer Rathbun at Children's Hospital Medical Center. "There's no question we are seeing more children with malnutrition than we saw a year ago."

## Volcanic eruptions subsiding

VANCOUVER, Wash. — Scientists flying over Mount St. Helens on Sunday reported growth in the giant lava dome in its crater, and officials monitoring the unpredictable volcano said the potential for explosive eruptions may be subsiding.

The volcano sent up a 1,600-foot plume of steam early Sunday, the third blast since two explosive eruptions spewed ash several miles into the sky Friday night and early Saturday. The powerful eruptions ripped a hole in the dome's south side and sent mud and melted snow flowing down the nearby Toutle River.

## Julia Cook crowned Miss Indian BYU '82

Julia Cook was crowned the new Miss Indian BYU 1982-83 Thursday night at the Indian Week banquet/coronation.

Merriam Cook, a sophomore majoring in business administration, named first attendant, Janae Adakai, a junior majoring in social work, was named second attendant.

"I never thought I would win," Julia said.

"I never had that much confidence. I have one desire in my heart and that is to serve and represent you."

The new Miss Indian BYU, 25, is a senior from Placencia, Calif., majoring in family counseling. She is a Mohawk/Onesida Indian and is currently a member of the Lamanite Generation. She is also the ASBYU representative for the Tribe of

Many Feathers.

Yvonne Young was named Miss Congenality. Young, a sophomore majoring in pre-physical therapy, was chosen by the other girls in the pageant for her friendly and supportive attitude. Marietta Martin, a freshman majoring in business management, received the Queens Award. The Queens Award goes to the girl who has put forth the most effort during the pageant.

Cook was crowned by Sharon Groenbach, Miss Indian BYU, 1981-1982.

## Election write-ins given full rights

The ASBYU Supreme Court issued a temporary restraining order on the elections committee Saturday after write-in candidates complained they were not being afforded the same rights granted other candidates.

Write-in candidates for the offices of president and executive vice president issued a complaint against the committee because they had been told write-in candidates would not be allowed to participate in projects sponsored by the committee, such as the presidential debates.

In a written statement, the supreme court imposed a temporary restraining order which states, "until such time as the court may make a decision . . . the ASBYU Elections Com-

mittee shall afford to the presidential/vice presidential team (names of candidates) the same rights, privileges and considerations granted the other candidates for these offices."

At this time, the restraining order on the elections committee applies only to the presidential team who initiated the court case, said James Harper, court justice.

★ ★ ★ ★ ★  
★ Every day  
★ a new winner!  
★ FREE  
★ Movie  
★ Tickets!  
★ Watch for  
★ your name  
★ in Classified.  
★ No purchase required.  
★ ★ ★ ★ ★ ★ ★ ★ ★ ★

## Primary results tailed; winning margin narrow

Results of the ASBYU primary elections were announced Friday night in the ELWC Memorial Lounge amid cheers and exclamations.

At 9 p.m. candidates and students gathered to hear the results.

Earlier in the day ASBYU President Casey Haws called the election results "surprising."

The point spread between the top four presidential candidates was 227 points, and several other races were close.

The two candidates who received the most votes in each office will go to the final elections.

Despite a mistake which appeared on one of the ballots the first day of primaries, the presidential team of Schipper-Webber came in first in the primary elections.

"I was kind of dreaming about it, you know," Schipper Clawson said. "Right now, I feel kind of congratulated."

The team of Bulloch/Kirch came in second in the

presidential race. There was a point spread of 66 votes between the two teams.

David Slack and James Lee were the finalists in the social office race. The point spread between them was 25 votes.

There were only two people running for women's office so they are both finalists, but the race was close. There was a difference of 106 votes between Cynthia/Cindy Sorensen and Suzanne Jarman.

Finalists in the other offices are:

Academics — Roger Malmore and Ron Wilhelm.

Athletics — Kevin Reeve and John Burr.

Culture — Ronda Randall and Steven Engbersten.

Finance — Bruce Money and Neil Jensen.

Organizations — Mark Tanner and Mark Vincent.

Student Community Services — Allyson Jensen and Terry Huff.

## John Savio disqualified for elections violation

By KEN JOHNSON  
Staff Writer

John "Branigan" Savio, a candidate for ASBYU Culture Office, was found guilty in ASBYU Commons Court Friday, of violating the BYU Honor Code and sentenced to disqualification from the elections.

Judges Michael T. Ringwood, W. Craig Jones and Kyle Lasely decided unanimously to disqualify Savio from the elections, disallow him to campaign for any other candidate and refer him to University Standards.

Witnesses for the plaintiff said that on March 15, at 2:30 p.m., they saw Savio remove letters from a neon sign, between the BYU Bookstore and Lee Library, that supported the position in favor of candidate Ronda Randall. They both testified they recognized Savio from his campaign posters and they heard someone say to him, "Hey Branigan, how's your campaign going?"

The witnesses also testified the letters were

neatly stacked near the sign, apparently so they could be claimed later.

Wayne Williams, finance chairman for the elections committee, testified that Savio had voiced objections about the sign several times and had said if the elections committee did not take care of the sign, then someone else would.

In defense, Savio testified he had not been near the sign at that time. He said he had introduced himself in a religion class in the MARE at 2:15 p.m. and in another class just after that, then returned home without even going near the sign.

Scott Yancey, Savio's roommate, also testified that Savio returned home on March 15, at about 2:30 p.m. He said, however, that Savio was intense in his campaigning and had been involved in taking down some of his opponent's campaign posters earlier.

The posters had been taken down, Savio said, when he realized the opposing candidate had done the same to him. He said they both laughed about it afterward and there were no feelings.

See SAVIO page 6

## New constitution to be debated

The proposed ASBYU constitution will be debated today at 11 a.m. in the ELWC West Patio. If the weather is bad, the debate will be in 375 ELWC.

Byron Bulloch, chairman of the executive committee for the ASBYU Constitutional Convention, will represent the position in favor of the constitution. Doug Bush, ASBYU Finance Office vice president, will represent the position opposed to the constitution.

The Daily Universe news editor, Jan Taylor, and reporters Julie Potter and Ken Johnson will question Bush and Bulloch. Students also will be able to ask questions.

Mark Copé, ASBYU Supreme Court justice, will be moderator.

## Weather

Utah Valley forecast: Partly cloudy at times through Tuesday. Highs in the upper 40s today, lower 50s Tuesday; lows in the 20s.

For the 24-hour period ending 9 p.m. Sunday:

High temperature: 44

Low temperature: 19

One year ago: 50-32

Prevailing wind direction: west

Peak wind speed: 8 mph, 1:35 p.m. Sunday

High humidity: 92 percent

Low humidity: 27 percent

Precipitation: none

Month to date: 2.41, inches, 12.5 inches of snow

Since Oct. 1, 1981: 14.45 inches, 67 inches of snow

## Indian Week

Continued from page 1

and dental work have been cut, said Tafoya. The cuts might not be affecting the well-to-do, but "the people of New Mexico, both white and non-white are affected."

Tribal leaders are "scraping at the bottom of the barrel to keep some of those programs," he said.

Just when those programs are beginning to improve for the Indians, they are being set back, said Tafoya. The programs that are most helpful have been the first to be cut. "Now we will go back down to substandard," he said.

The Nortons are more optimistic about their children's future. With the increase of technology and the discovery of natural resources on the reservation, tribal administrators are encouraging professional careers. "We are glad to see progress come to our people. This causes our tribes to identify what traditions they really want to keep," Norton said.

## The Daily Universe

The Daily Universe is an official publication of Brigham Young University and is published as a cooperative enterprise of students and faculty. It is produced as a laboratory newspaper in the department of communications under the governance of an executive editor with the counsel of a university-wide Advisory Committee.

The Daily Universe is published Monday through Friday during fall and winter semesters except during vacation and examination periods. The Universe is published Tuesdays and Thursdays during spring and summer terms.

Opinions expressed in The Daily Universe do not necessarily reflect the views of the student body, faculty, university administration, board of trustees or The Church of Jesus Christ of Latter-day Saints.

Subscription prices: \$20 per year.

Offices: 538 Ernest L. Wilkinson Center, Printer: Brigham Young University Press Printing Services.

Editor, Michele Dill; Retail Ad Mgr. Jill Owensby; Ad Service Manager, Peter Brooks; Ad Art Director, Frank Parr; News Editor, Jan Taylor; City Editor, Jay Owens; Campus Editor, Tammi Wright; Campus Asst., Jean Godfrey; Copy Chief, David Schneider; Associate Copy, Karla Zacher; Asst. Copy, Kim Meyer; Asst. Copy, Sandi Sanders; Sports Editor, Jeff Buford; Asst. Sports, Stacie Ford; Entertainment Editor, Carrie Moore; Night Editor, Robert Patton; Weekend Editor, Thomas; Teaching Assistant, Jack Walsh; Wire Editor, Debbi Hruska; Photo Editor, Garry Bryant; Asst. Photo Editor, Randy Spencer; Asst. Photo Editor, Steve Plett; Editorial Page Editor, Gaylen Webb; Senior reporters, Lisa Mote, Julie Potter, Mark West.

## Attention April Business Grads

Outstanding opportunity for 5 Business Administration students graduating in April: BA or MBA. Very fast growing in high quality Pacific Northwest company well positioned in the dynamic financial services industry. Company desires hard workers and high achievers with strong goal orientation willing to start in hands-on-training program which will lead to great financial rewards.

Send resume, transcript and cover letter explaining personal goals aspirations to:

Art Buerk  
Shurgard Capital Group  
P.O. Box 187  
Olympia, WA 98507

If you want the Job Done Right...



**DO IT YOURSELF**  
(We'll show you how!)

Come in before 2:00 p.m. (Mon.-Fri.) receive 30% off on your bay rental.

We make it easy for U-TO-DO-IT

136 E. 100 S. OREM 224-51

We've got the tools and we'll show you how

## STUDENT ART SALE



Come and see the greatest selection of student masterpieces ever offered for sale at BYU. They will be on display in the Garden Court of the ELWC from March 22-26. Don't miss this great opportunity.

EE CULTURE OFFICE  
BYU

## HISTORY WEEK 1982

INTERNATIONAL MORMONISM: HISTORICAL CHALLENGES AND PRESENT PROSPECTS

### Tuesday, March 23

1:10 Varsity Theatre  
"Historical Development of International Mormonism"  
Leonard A. Armstrong, Director of the Joseph Fielding Smith Institute of Church History, BYU.

7:00 p.m. 250 SWKT  
"Mormonism in Latin America: Between Repressive Regimes and Liberation Theology"  
Moderator: Lamond Tullis, Chairman of BYU Political Science Dept.

### Thursday, March 25

9:00 375 ELWC  
"Mormonism in Black Africa"  
Moderator: William F. Lye, Historian of Africa and Dean of College of Humanities, USU

1:10 375 ELWC  
"Mormonism in Non-Christian Cultures"  
Moderator: Spencer J. Palmer, World Religions Director, Religious Studies Center, BYU.

### Wednesday, March 24

9:00 375 ELWC  
"Women and the International Church"  
Claudia L. Bushman, founder of Exponent II, editor Mormon Sisters.

1:10 375 ELWC  
"Mormonism Behind the Iron Curtain"  
Introduction: Douglas F. Tobler, Professor European History, BYU.  
Speaker: Lona Czerwinska, Latter-day Saint from Warsaw, Poland.

### Thursday, March 25

## History Week Banquet

6:00 p.m. 375 ELWC  
Speaker: Henry Eyring, Commissioner of Church Education "Church Education in the International Setting."  
Annual Awards for Student History Papers  
\$6.00 per person. Ticket Deadline — March 23, 5:00 p.m.  
Buffet Menu. (Swedish Meatballs, Ham, etc.)  
Tickets Available at History Office 323 KMB

Sponsored by Associated Students of BYU/Department of History, BYU



# Marathon running — for fun?

**CARRI PHIPPEN**  
Staff Writer

A businessman recently generous to his children was only one stipulation in them in order to receive a chance. They had to come to a marathon.

and of father could expect to run an abusive 26 miles of soaked legs, dangling jelly-blisters and blisters?

Man, however, was neither prominent to the pains of running as a father who cared more discipline and self-control at a marathon could teach than the physical pain it se.

is the key word to running, says Dr. Lyman physician in Provo who has completed fourteen including the Boston and News Marathon.

Anyone can run virtually any normal, person can run a marathon, if it follows some basic guidelines.

who really wants to can run a marathon. It's merely a matter of listening to your body and listening to advice,"

and Niel Thueson, a physician at BYU, agree on training program for a beginner is a marathon hopeful.

said a beginner should months for preparation for a marathon.

adopted his training schedule several programs published in the World magazine. For runners who are running 20 to 30 miles a week, the program will be three months.

mile starts at a 25-minute run and progresses to two hours. It is a hard day, easy day Thueson says. One day may 50-minute run while the other would involve two hours of running.

Body training thing about the program," to plan and train the body might be able to withstand of three to four hours of running, or if you're in bad shape, two and a half

Marathon running professor

from page 1

has a specific weight his body is coming, and when one falls below that weight will try to get back to that point. Once the athlete's weight will again plateau.

ly has all kinds of tricks to get you back weight, and the only way to change this is diet and exercise — you have got to trick it," he said.

On running, the torturous 26-mile, Zimmerman has chosen as his form of exercise by running 50 to 60 miles a week and tries the entire time. This way he makes enough energy to stay physically fit, though to cause him to gain weight.

60 miles a week, he said, is not, however, to lose weight or to maintain good physical fitness. He said 15 to 20 miles a good level for the non-racer. "Daily jogging is not enough. It will help, but is not Zimmerman added.

er to his beginning complaint that running too much time, Zimmerman runs the five miles for his clothes, he only laughs and swings

Marathoning, or just jogging in general, which has become the fad of the decade and the "miracle healer," has been received with conflicting viewpoints. The majority of these center around the harm running can do to the skeleton muscles like the knees, feet and ankles.

Moody says these arguments arise from beginners who started out too fast and with too little training. "Anyone who goes at a sensible training program and does not increase their mileage, more than six to 10 percent a week will be fine," he said.

"If the body rebels, then back off and give it time to heal. If people want the resurrection, it's not just going to happen from running," he said.

**Cardiovascular effect**

The cardiovascular efficiency running provides has never been in conflict, Moody says. Those who criticize running, especially distance running, will never argue against the deterring effect running has on cardiovascular aging.

Once a runner has prepared himself to run in a marathon, Moody says, he still faces problems. He identifies these as the errors of a novice marathoner.

According to Moody, the first mistake a novice makes is in not going through a carbohydrate-loading period, storing glycogen in the muscles, before the race begins. He said few people realize that 26 miles will burn off all the energy they have stored in their bodies at an amazingly fast pace, usually much sooner than the time needed to complete a marathon.

The second mistake he has found is that novice runners will start out running too hard at the beginning of a race. "I try to tell runners to start out easy, that they will hit 'the wall' too fast and be unable to finish."

**Marathon mistakes**

Moody says the final mistake he finds novices making repeatedly is not stopping to walk at the water stops. He says if a runner will walk at these aid stations, he will not have to stop the last four miles and will end up with a time 20 to 30 minutes faster than he would have had by trying to run the full way. The beginning stops, he said, are the most important to runners, yet they rarely stop at them.

Moody, who has run in the Deseret



Universe photo by Linda Jo Stevens  
Dr. Scott Zimmerman, a professor of chemistry at BYU, started running when he was challenged to run in the BYU Homecoming race. Zimmerman has now run in six marathons.

News Marathon for six straight years and is training for this year's marathon, does not suggest this race to the beginning marathoner.

"The heat, combined with the steep climb of the hills, makes it an extremely difficult race," he says. See COMPETITIVE page 10

ped a bombshell. "I just thought I would like to give you a leak of information from an authoritative White House source," joked Reagan.

Reagan hates unauthorized leaks, and it's one of Clark's jobs to help plug them. He offered a novel suggestion to the president.

Reagan left the hotel carrying a sheet of paper from Clark, his new national security adviser. En route to his helicopter, the president walked over to a group of reporters and dropped

It has been said, and Zimmerman agrees, that training for a marathon is one of the best things you can do for your body but running a marathon is the worst.

He said for this reason it is very important a runner have the right equipment, such as proper running shoes, develop a good training schedule and follows a well-planned diet.

## Aardvark princess crowned

PHILADELPHIA (AP) — The Aardvark is an ugly animal with an anteater's nose, a donkey's ears, a pig's body and a bad smell, so why would anybody want to be Miss American Aardvark?

"God meant the aardvark for something," said Mary Ann Jones.

**NCL** First fleet of the Caribbean.

Let Yourself Go  
**A CARIBBEAN FLY/CRUISE**

Salt Lake City to Miami  
3-4 or 7 Day Cruises

**STARTING AT \$520.00**  
(per person)

Departs every Mon., Fri., Sat. & Sun.  
\*Per person double occupancy

**CALL 374-6200**



... A FINE ADDITION  
TO ANY COLLECTION  
Science Technical  
Books

20-30% off  
March 22-26

The latest editions of science & technical books published.

Sale on Text floor only.



## Marathon running professor

from page 1

has a specific weight his body is coming, and when one falls below that weight will try to get back to that point. Once the athlete's weight will again plateau.

ly has all kinds of tricks to get you back weight, and the only way to change this is diet and exercise — you have got to trick it," he said.

On running, the torturous 26-mile, Zimmerman has chosen as his form of exercise by running 50 to 60 miles a week and tries the entire time. This way he makes enough energy to stay physically fit, though to cause him to gain weight.

60 miles a week, he said, is not, however, to lose weight or to maintain good physical fitness. He said 15 to 20 miles a good level for the non-racer. "Daily jogging is not enough. It will help, but is not Zimmerman added.

er to his beginning complaint that running too much time, Zimmerman runs the five miles for his clothes, he only laughs and swings

open his cupboard door, showing an entire wardrobe. He also has food stashed in his locker to replenish what he has lost.

On Saturdays, Zimmerman will run a long-distance run of 20 miles. He said this is a must for marathon runners to stay in top quality condition.

At first 20 miles sounded terrible, but it really can be a social thing if you do it with a few others. You can talk, converse, philosophize — I mean we're talking about having fun," he laughs.

Zimmerman has run six marathons and received a record time of 2 hours 58 minutes 34 seconds in running the Deseret News Marathon. He said no marathon is easy, "but if it wasn't hard we wouldn't do it. There is something about knowing you can meet pain head on."

It has been said, and Zimmerman agrees, that training for a marathon is one of the best things you can do for your body but running a marathon is the worst.

He said for this reason it is very important a runner have the right equipment, such as proper running shoes, develop a good training schedule and follows a well-planned diet.

## White House leak traced to Reagan

WASHINGTON (AP) — President Reagan was leaving his Los Angeles hotel suite for his mountaintop ranch when William F. Clark dropped by to warn that an important defense decision was in danger of leaking.

Reagan hates unauthorized leaks, and it's one of Clark's jobs to help plug them. He offered a novel suggestion to the president.

Reagan left the hotel carrying a sheet of paper from Clark, his new national security adviser. En route to his helicopter, the president walked over to a group of reporters and dropped

It has been said, and Zimmerman agrees, that training for a marathon is one of the best things you can do for your body but running a marathon is the worst.

He said for this reason it is very important a runner have the right equipment, such as proper running shoes, develop a good training schedule and follows a well-planned diet.

## BULLOCK & LOSEE

Jewelers

At Bullock & Losee Jewelers you don't pay higher prices, you just get higher values!



The Diamond of Your Choice  
In the Setting of Your Choice  
At the Price you can Afford

**BULLOCK & LOSEE**

Over 25 Year Tradition of Service, Quality, Integrity, and Value.

Provo  
19 North University  
373-1379



Orem  
University Mall  
225-0383



## Strobe Talbott Diplomatic Correspondent for TIME

United States' Power and Prestige

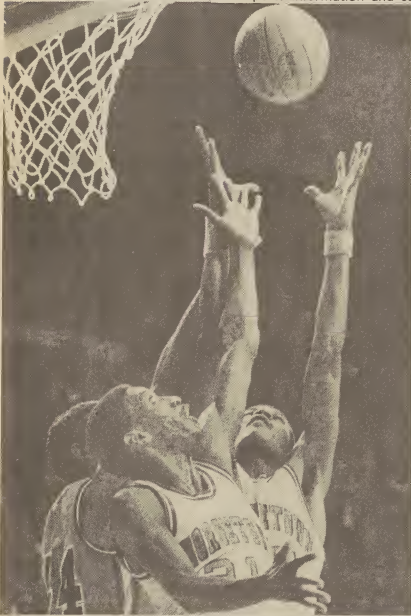
After more than a year in the White House, Ronald Reagan has pursued a policy of re arming America and meeting more vigorously the challenge of Soviet expansion. But there is still a general mood of pessimism in Washington and elsewhere about America's role as the world's peacekeeper. Strobe Talbott, Time magazine's diplomatic correspondent, will discuss our preoccupation with failure and draw on historical considerations that indicate that our position in the world may not be as weak as we think. He will also analyze Reagan's foreign policy and his defense policy.

**Tuesday, March 23**  
**10 a.m. Marriott Center**



# Sports

For sports information and calendar, call Tele-Tip, 378-7420, tape 178.



Eric "Sleepy" Floyd leaps with a teammate for the ball during Georgetown's 65-45 drubbing of the Oregon State Beavers in the NCAA Western regionals in the Marriott Center on Saturday. Georgetown will meet this week.

Universe photo by Randy Spencer

## Hoyas maul OSU Beavers in West final

Who in the world of college basketball are Patrick Ewing and Eric "Sleepy" Floyd?

The names aren't familiar for many sports fans on the Pacific Coast, and throughout the Beehive State, but the Oregon State Beavers will never forget those two.

Combining for 35 points, Ewing and Floyd smashed the OSU Beavers and helped Georgetown to a 65-45 victory and the championship of the NCAA Western regionals in the Marriott Center on Saturday.

Ewing, a seven-foot freshman center with arms that seemed to span as far as the wings on an 747 jet, was unstoppable in the first half, hitting three of five from the field for 11 points.

But real offensive threat of the Hoyas was Eric "Sleepy" Floyd who had 22 points and was voted the Most Valuable Player by more than 60 sportswriters from all over the United States who attended the two-day tournament.

The OSU Beavers, who mauled Idaho 60-42 last Thursday, were never in this basketball game, except during the opening tip-off.

After trailing 2-0, the Beavers tied the score at 2-2, but that's as close as Oregon State ever got to Georgetown.

For a game of this nature and scope, there are many words that could tell the complete tale; "basketball at its best," "poetry in motion," "on-court magic."

But "blowout" probably fits the best.

The Hoyas turned and ran away from Oregon State as they shot 68 percent from the field in the first half, and 92 percent in the second half, topping the NCAA Western-regional record the Hoyas set Thursday evening against Fresno State.

Georgetown's new record also went down in the history books as a new NCAA tournament record.

With 11:14 left to go in the first half and Georgetown leading 19-8, the Hoyas had the game won for all intent and purpose.

See HOYAS page 5

## Cougars drop one-run game; USC Trojans nip Cougars 7-6

LOS ANGELES, Calif. — The BYU baseball team thought it had the game sewn up in the eighth inning with a five-run lead, but the Trojans of USC pulled off six runs in the bottom of the inning to claim a 7-6 victory.

BYU started the game with a 7-5 win-loss record on the season — USC was 10-16. The loss drops the Cougars to 7-6.

There were no runs for either team in the first three innings, but BYU's first baseman Wally Joyner hit a home run in the fourth inning to bring in two runs.

Another run was scored by BYU in the fifth inning when shortstop Leon Baham hit his first home run of the season to give the Cougars a 3-0 lead.

BYU scored its last two runs in the sixth inning, and Scott Nielsen pitched for the Cougars until the bottom of the eighth.

Scott Nielsen was replaced by Steve Nielsen, who was soon replaced by Kevin Towers.

Between the three pitchers in the eighth inning, the Trojans walked seven times — just enough to

give USC six runs.

The Trojans got ahead of BYU to stay and won the game 7-6.

"I'm sad about the loss . . . we didn't pitch well," remarked BYU coach Gary Pullins.

Baseball Notes:

BYU baseball coach Gary Pullins said his team attitude after the USC loss was positive . . . "We've never been blown out this year — we just lost intensity at the end of the game," Pullins said.

The Cougars will start a seven-game road schedule at the Riverside National Tournament.

BYU will meet Tulane at noon today and Oral Roberts Tuesday at noon.

All-American pitcher Peter Kendrick will take the mound today against Tulane . . . Kendrick is 2-0 on the season.

Including the games BYU played in Mexico, the Cougars have an overall 16-8 mark.

After the Oral Roberts game, BYU will face Washington, Wisconsin, Cal Riverside, Stanford and Maine, before returning to Utah to start the Western Athletic Conference battles against the Running Utes in Salt Lake City.

BYU-USC Line Score

USC 000 010 06X—7 6 4

BYU 000 213 00—6 6 4

Meister, McGwire(6); Nielsen, S. Nielsen (8); Towers, W. McGwire (3-0), L-Towers (9-3); HR-BYU-Baham (1) Joyner (2)

## Cougars finish third at WAC Invitational

ALBUQUERQUE, New Mexico — The BYU men's gymnastics team placed third in the WAC Invitational here Saturday.

The meet at the University of New Mexico was the last competition for the Cats until the NCAA championships.

First-place meet honors went to Houston Baptist with 273.95 team points.

The Lobos of the University of New Mexico took second place with 271.40 points and BYU's 268.2 points put them in third place in front of Air Force, with 252.4 points.

BYU's Josh Vizek won the still-rings competition with a score of 9.6.

According to BYU's gymnastics coach Wayne Young, Vizek is a prime contender for the NCAA National championships.

The Cougar's J.T. Fletcher placed sixth in all-around individual competition.

Fletcher took third on horizontal bars, sixth on the vault and sixth in floor exercise.

Brian Stapleton took third spot in the pommel horse event and Keith Johnson placed sixth on

the horizontal bar.

In the parallel bars event, Deon Jonutz placed third and Steve Lake took fourth.

## Snakes strike Y Cats

The nationally ranked BYU rugby team was upset Saturday 19-7 by the Snake River Snakes at Haws Field.

The Cougars gave up eight unanswered points in the opening 10 minutes of play and never recovered.

The Snakes, one of the most highly touted club teams in the entire Pacific coast, never got closer to the BYU end zone the rest of the game, but they didn't need to.

The Cougars got their entire offense from full-back Paul Meyer, who scored one touchdown and a three-point penalty kick to close to within three points, 10-7.

But Snake River added three more scores of their own to ice the game, 19-7.

"It was a great game on both sides. They were an outstanding team," remarked BYU rugby coach John Seggar.

"It's no disgrace to lose to them, even though I would have liked to see us play better. They gave us a good test," Seggar added.

The loss drops the Cats' record to 8-2 on the year.



## WHO IS THIS MAN?

- An overdressed BYU Security officer
- The son of Patton
- The next attraction at Stage West.

See tomorrow's Universe for details

See Social Office  
CAMPUS

## SICK CAR?



15% discount for BYU Students on all service work.

Bring I.D. for discount

UNIVERSITY LINCOLN-MERCEDES

1150 North 500 West • Provo, Utah 84604-9990 • Phone 378-1111

## New Romantic Era



Today's bride yearns for the lovely of the Romantics, a new ArtCarve collection of wedding rings. Charming wreaths of flowers, circles of heart garlands of wedding bells, exquisitely detailed in 14 karat gold. Select one that's

THE ROMANTICS BY ARTCARVE

## Riggs & Co.

You have not shopped for an engagement ring until you have shopped at RIGGS & CO.

University Mall • Orem, Utah

## DRAFTING TABLE

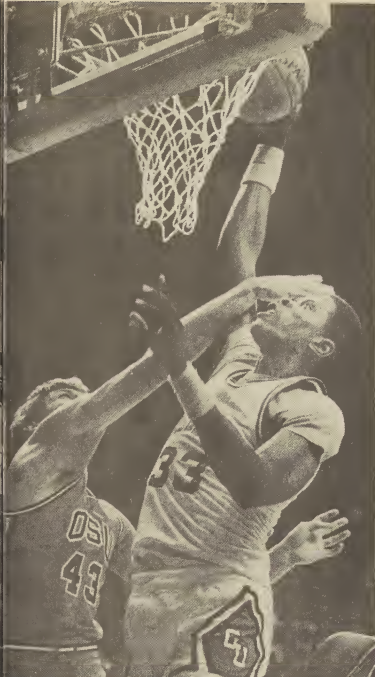
## Special

Purchase a Spacesaver drafting table at regular price and get a **FREE** board cover

(a \$15 - \$21 value)

byu bookstore





University photo by Randy Spencer  
Georgetown's Patrick Ewing goes for a one-handed slam-dunk over  
the State's Rob Holbrook during Saturday's 69-45 Hoya victory  
the OSU Beavers in the Marriott Center.

## Hoyas in final four

Continued from page 4

Nothing the Beavers tried worked. Each time the Beavers' point guard Lester Connor would spread out the Hoyas on defense, there would be Ewing guarding the middle, forcing the Beavers to take poor-percentage outside shots — Oregon State shot 38 percent from the field in both halves — that could not find the open hole.

That's when "Sleepy" Floyd came to life.

Floyd connected on a right-corner jump shot with 3:51 remaining in the first half to put the Hoyas up 37-20, their biggest margin of the first half. Georgetown went into the locker room with a 42-25 lead over the Beavers.

A stunned Oregon State squad found the going just as tough in the second half when the Hoyas' Eric Smith sank a layup to up the score to 44-25 and put the game on ice with 18:41 remaining to play.

It might seem strange to some to call a basketball game with more than 17 minutes in the game . . . but Georgetown was awesome, intimidating and unstoppable.

The only point in the second half where Oregon State closed the gap came with 8:09 left in the game. OSU's sophomore center Charlie Sutton hit a turnaround basket to cut the Hoyas' lead to 63-41.

But that was it. Georgetown rolled to its 25th victory of the season 69-45 and a trip to New Orleans to face

Louisville in the semi-final round of the 1982 NCAA championship.

"The game was a good drubbing . . . they outplayed us. We deserved to lose. They were better than us in this occasion," Miller said.

"They (Oregon State) had the hardest style of play we have had to face this year," remarked Georgetown's coach John Thompson.

Thompson said momentum going into the NCAA final four doesn't matter to him or his team, even after a impressive victory over Oregon State.

"Momentum doesn't matter. If you win by two points or the same score as this game. When you go into the final four all those teams have momentum," Thompson said.

### Basketball Notes

Lou Palmer, a sportscaster for ESPN-TV said the total sports cable network has purchased the rights to televise more basketball and football games next year than ever before in the history of the cable network.

Palmer said the 1982 Holiday Bowl will be carried coast-to-coast live on ESPN.

Oregon State-Georgetown Box Score

OREGON STATE (45)  
Evans 4-0-8, Green 3-4-10, Sutton 6-0-12, Connor 6-1-23, Brew 0-0-0, Holbrook 1-0-2, Wilton 0-0-0, Stangel 0-0-0, Tait 0-0-0.  
Totals 20-5-10-45.

GEORGETOWN (69)  
E. Smith 12-24, Hancock 12-24, Ewing 6-1-23, Brown 4-1-9, Floyd 9-4-22, Springs 4-0-18, O. Smith 0-0-0, Jones 3-1-7, Martin 6-4-0, Kaul 1-0-2, Blaylock 0-0-0, Blued 0-0-0.  
Totals 29-11-7-69.

Halftime — Georgetown 42, Oregon State 24. Fouled out — Sutton, Ewing. Total fouls — Oregon State 20, Georgetown 14. A — 14,988.

## LEARN • EARN • TRAVEL



Cindy Jeler

"When I graduated from Clark's School of Travel, my job was waiting for me and I've already been to Hawaii twice, Orlando and now to London."

### 8 Week Course Includes:

- Three week computer course
- Evening & morning classes
- Classes starting every 8 wks.
- All this for \$850

Register now for March 8 or April 5 classes. Call 374-6200 or come in Tues., Wed. or Thurs. 2:00-5:30 p.m.



Clark's  
SCHOOL  
OF  
TRAVEL



245 NO. UNIVERSITY • PROVO  
A DIVISION OF CLARK'S TRAVEL SYSTEMS

## Sportsline

Boudreau scored a pair of one short-handed — as the Utah Tigers skated to a 4-2 victory over the Salt Lake Golden in Central Hockey League Saturday night in Salt Lake City.

Women's swimming and team placed 17th at the AIAW national swimming and diving championships at Austin, Texas, on Saturday. The Cougars' Melanie earned her third All-America in the 100-yard individual freestyle.

Lopez-Melton shook off a nudge on the ninth hole to fire a 69 Saturday and take a 5-shot lead after three of the \$200,000 J&B Scotch Women's Golf Tournament in Vegas, Nev.

Valentine hit a jumper to top of the key at the final overtime to give the Portland Blazers a 131-129 NBA victory over the Utah Jazz Friday night in Salt Lake City. . . . the loss was the first for the Jazz.

## Gymnasts win at AIAW regional meet

More than a two-year wait, but they did it. The Cougars won all five events and set a new AIAW record in the team-composite vault score. BYU freshman Elisea Walton won the all-around competition with a 14.2 score.

Five Cougar gymnasts were named to the all-region team: Walton, Young, Becki Hamblin, Liz Johns and Lesley Johns.

"Clean routines with

Charles Jones and Lancaster Gordon each hit a pair of clutch free throws that helped break the back of an Alabama-Birmingham rally and gave 20th ranked Louisville a 75-68 victory Saturday over the Blazers in the NCAA Midwest Regional championship game.

District of Columbia center Earl Jones scored 24 points Saturday night as the Firebirds outgunned defending champion Florida Southern 73-63 for the NCAA Division II basketball title.

In major league exhibition baseball games Saturday: Los Angeles clubbed New York 10-4, Pittsburgh beat Philadelphia 10-7; Atlanta got by Houston 2-0, Cincinnati edged Kansas City 4-2; St. Louis defeated Boston 10-6 in 14 innings; Toronto downed Chicago 8-4 and Detroit drubbed Minnesota 9-2.

Malcom Thomas and Gerald Wilkins each scored 19 points to lead Moberly of Missouri past Dixie College 80-73 Saturday for fifth place in the National Men's Junior College Basketball Tournament at Hutchinson, Kan.

## NCAA to stop Trojans

LOS ANGELES (AP) — The NCAA is expected to impose a three-year football probation on the University of Southern California that would include a two-year ban on bowl and television appearances, the Los Angeles Times reported Sunday.

Southern Cal President James Zumberge has received a report from the NCAA Infractions Committee detailing what sanctions the NCAA will impose as a result of its investigation of the Trojans' football program, the Times reported.

The newspaper attributed the information to a "reliable source."

The university's athletic director, Dick Perry, confirmed that the NCAA's letter had been received.

But Perry said school officials had not had time to thoroughly review the contents.

Perry said the university has until March 29 to appeal the NCAA ruling.

Since the NCAA allows a 15-day period to consider an appeal, that would mean USC received the report last week.

He would not, however, talk about any penalties imposed, saying NCAA rules forbid that.

The NCAA's investigation of the Southern Cal football program reportedly had dealt primarily with alleged ticket scalping on behalf of the players by assistant coach Marv Goux, and players being given credit for classes they did not attend.

The Pac-10 had banned the USC football team from post-season play in 1980.



Domino's  
Pizza  
Delivers®

Mon. - Tues.  
WADNESS

Any large 16" pizza with one item and one (1) qt. of pop for 8.25 during the month of March

## Just Ask

Call us  
374-5800

Provo

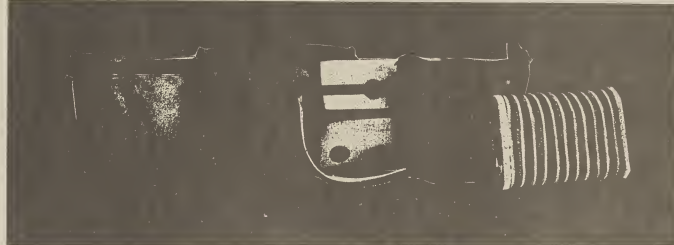
226-6900

Orem

226-2100

N. Orem

25% off handbags 25% off  
MARCH 22-26



the COED shop

byu bookstore

bet  
I just thought  
of something you  
can get done for  
this mission. I  
good Church book  
Books International  
has all kinds of  
them - and they're  
25% off! They're at  
216 N University in  
Provo.

~ Shelley



## Harold B. Lee Library

# Sixth-floor 'mystery' cleared

By JULIE POTTER  
Senior Reporter

History has grappled with many puzzling mysteries: Who shot J. R.? Which came first, the chicken or the egg? Is there life after graduation? And now, perhaps the most baffling case of all — what happens on the sixth floor of the library?

On the sixth floor of the library a potential book is decided on, ordered, purchased and cataloged, said Anthony Ferguson, assistant collection development librarian.

There are other things that happen on the top level of the library, but the process of acquiring a book is the biggest overall function, he said.

### Process steps

There are several steps in this process. First, a bibliographer or subject specialist who works on the sixth floor assesses what books the library needs, Ferguson said.

Perhaps the subject specialist will decide the library needs books by German authors, he said. The subject specialist might identify 300 contemporary German authors whose books he thinks would be of value to the library collection.

Using this list, the specialist checks the library's collection to see what books by these authors the library already has. If the library has books by 60 percent of the authors, the specialist will check to see what books by the remaining 40 percent are still in print. The resulting list gives the specialist ideas for books to order, Ferguson said.

He said another way books are chosen is through the use of bibliographies on specific subjects such as chemistry. Faculty members may also suggest books to be acquired in areas where the existing collection is weak.

Ferguson said many publishers also send brochures to the library with book suggestions.

### Order identified

After a book such as "The German Lesson" by Sigfried Lenz, a contemporary German author, has been identified for ordering, the subject specialist must determine whether BYU already has the book, he said.

If the book was published before 1978, a searcher can check the card catalog and a file that lists books on order or received, but are in the process of being cataloged, Ferguson said. If "The German Lesson" does not appear in these files, the book is ordered.

If the book was published after 1978, the searcher's job is much easier, he said. The searcher can check a computer data base file hooked into the Research Libraries Group. BYU's library joined the group in 1978 and has listed the books it has acquired since then on the computer.

A check is also run to see if any of the other libraries in the RLG have the book. If the book does not appear on the computer, it is put on order, he said.

If one of the other libraries in the RLG has "The German Lesson," the BYU library can borrow the book through an interlibrary loan, Ferguson said. All books undergraduates might need are ordered rather than borrowed. Faculty members and graduate students can usually wait for the book to arrive at BYU through the interlibrary loan. Undergraduates can't wait that long, he said.

Ferguson said orders for books are placed by computer. This way all the libraries in the RLG know what the other libraries have on order. These orders are then sent to library vendors who specialize in library sales.

When "The German Lesson" is received by BYU, it is checked against what was ordered and reviewed by the person who placed the order. "Sometimes the title books good, but the book isn't what the specialist expected," Ferguson said. If this happens, the library can return the book.

Another computer check is run when "The German Lesson" is received to see if anyone in the RLG has cataloged the book, Ferguson said. If "The German Lesson" has already been cataloged by another library, the searcher can copy the catalog information and save time. Otherwise, catalogers must search for biographical information, subject headings and the assigned catalog number in either the Library of Congress or Dewey Decimal System.

After this, the book, "The German Lesson" is sensitized so it will activate the alarm system if the book is taken out of the library without being checked out, he said.

Next, the assigned number of classification is printed on the spine of the book and "The German Lesson" is taken to the stacks, he said.

Ferguson said there are other ways to acquire books. The library has standing and blanket orders at about 50 presses. These books skip the selection

process and go right into the cataloging procedure.

### Jump process

The university receives a lot of books as gifts and these also jump the process of selection, he said.

Ferguson said some of the other areas functioning on the sixth floor are — a magazine and journal record-keeping department, a bindery repair for damaged books, a workshop to restore fine bindings and valuable manuscripts, a section where reference books are recataloged from Dewey Decimal System to Library of Congress classification, an international library-exchange system and a library computer systems office.

In the magazine and journal section, records are kept on computer of the issues of magazines that are actually received, Ferguson said. Workers in the section also keep track of magazines that need to be bound. When the magazines are ready to be bound, they are prepared to be sent to the printer on the sixth floor, Ferguson said.

In the bindery repair section, workers replace or repair bindings to extend the life of a book, he said. Rather than replace the binding on a book that is old and valuable, there is a section on the sixth floor where workers restore the original binding. Ferguson said sometimes a box is made to protect the book from further damage.

Also on the sixth floor, reference books are being recataloged from the Dewey Decimal System to the Library of Congress. "The expenses are too high to recatalog all of the books in the library," he said. There is also a library-exchange system located on the sixth floor, Ferguson said. There is a national and international exchange of journals and books published by BYU Press for books published by universities everywhere. One of the most active exchanges is with China. He said there are six universities in China with which BYU is exchanging books.

### Computer office

There is also a central computer office located on sixth floor the library. "The library is full of computers," Ferguson said. A core of computer specialists work in the office on the sixth floor coordinating the circulation, cataloging and serial computer systems. They also help on specialized computer projects, he said.

## Savio

Continued from page 2

Merrill Clark, student defender for Savio, attempted to prove Savio had not been in the area at the time of the incident, that he was not tall enough to reach the sign without standing on something and that he was honest and did not have the type of character that would allow such an act.

The fact that two witnesses saw the act and testified to that under the BYU Honor Code, Edgar Snow, student prosecutor, said, was sufficient evidence to prove Savio's guilt.

Judge Michael T. Ringwood, who presided over the court, said the prosecution had shown that Savio was guilty. He said the case was civil and not criminal and the court could not punish or sentence him with a monetary fine.

Clark said Saturday that Savio would make an appeal to the ASBYU Supreme Court.

ASBYU Supreme Court Justice James Harper said the defendant has seven days to file notice of intent to appeal and seven more days to write a brief and file it. The ASBYU Attorney General's office then has six days to respond before the case goes to the Supreme Court.



## Wedding Announcements

Presenting the area's most attractive custom wedding announcements with the "love 'em or leave 'em" quality guarantee. (Quality guarantee for either color or black and white announcements.) Choose from a host of styles, or design your own. Either way, Press promises announcements that will stir beautiful memories for years on end. No brag, just fact. And, you won't find more reasonable prices.

See for yourself... today. Take home some free samples. Compare and examine. You'll decide, like a lot of others, to let Press help you create your wedding memories.

**Press Color Wedding Invitations**  
1601 WEST 820 NORTH PROVO, UTAH 373-4996

## BYU-Hawaii Campus Aloha Summer Session

June 21-July 17  
July 19-Aug. 14

\$480 plus airfare includes room and 3 meals per day.

### COURSE OFFERINGS

Polyesian Dancing/Polyesian Cooking/Polyesian Arts and Crafts/Hawaiian History Tour/Hawaiian Tuli/Hawaiian Raft and Shore/Surfing/Peoples of the Pacific/Photography/AND MANY MORE

### ACTIVITIES

Circle Island Tour/Bishop Museum/Waikiki/Point Harbor Cruise/Waimanalo Falls Park/Class Bottom Boat/Sea Life Park/Polyesian Cultural Center/Lualaba/Outer Island Tours/AND MORE

Plan now to mix education with pleasure this summer on one of the most beautiful campuses in exotic Hawaii.

For more information please write or call:

UTAH AREA COORDINATOR  
Bruce Whitaker  
8231 South 900 East  
Sandy, Utah 84070  
255-7849

# ALOHA

## Drug pump helps fight cancer

WASHINGTON (AP) — The government has approved the first drug pump that can be implanted inside the body, saying the device can add more than two years to the life expectancy of liver-cancer patients and prevent blood clots in victims of phlebitis and other ailments.

The Food and Drug Administration said it also is studying the drug pump as a way to dispense drugs to treat brain tumors or insulin for diabetics.

The pump holds promise as an improved treatment method for the 9,400 people who might otherwise die of liver cancer each year, the 745,000 who suffer from phlebitis and the 50,000 whose deaths are linked with pulmonary embolisms, FDA Commissioner Arthur H. Hayes Jr. said.

The drug pump can be inserted in the chest or

stomach and is the first one which need not be worn outside the body. It resembles a hockey puck in size and shape and provides continuous drug therapy.

Dr. William Ensinger, associate director of the University of Michigan's Clinical Research Center, said that for liver cancer patients, the pump "enables us to extend life expectancy from about four to six months to beyond two years."

Ensinger said experimental work with the pump revealed an 85 percent remission rate for liver cancer patients. But he warned that the drug pump is of proven benefit only in cases where cancer is confined to the liver since it is most effective when the treatment is applied to a single tumor site.

Implantation of a drug pump will lessen the need

for hospitalization and, in the case of patients with clotting problems, the need for a painful and expensive regimen of injections. It can be refilled when necessary by a family physician using a hypodermic needle.

Liver cancer patients who were given drug pumps experienced fewer side effects than with other cancer treatments because the pump delivers the drug treatment directly to the cancer site without significant deposits in other parts of the body, the FDA said.

For patients with clotting problems like phlebitis and pulmonary embolisms, the drug pump with few exceptions helped free them of pain and enabled them to carry on active lives, according to the FDA. About 92 percent of the patients with previously untreatable clotting disorders had no recurrence of the disease during the testing.

About 110 of the 137 drug pumps used in the research were given to patients at the University of Michigan center. Pumps were used experimentally for as long as 40 months. There were only five pump failures and none caused serious complications.

It is made of stainless steel, titanium and silicon rubber. Weighing 6.3 ounces, a drug pump is 3.5 inches across and one inch thick. The pump contains a compressed liquid that slowly expands and pushes the active ingredient through a plastic tube into a blood vessel.

## Arms race, El Salvador peace symposium talks

"An Update on the Arms Race," will be the topic of a lecture by William Fairborn, Major General of the U.S. Marine Corps and associate director of the Center for Defense Information, today at 12:10 p.m. in 321 ELWC.

The lecture is the first in a series of lectures scheduled for this week as part of a Symposium on Peace.

"Fairborn will talk on the current situation and the dangers of the arms race," said Stephen Beechroft, chairman of the symposium committee. "He will look for alternatives."

Other lectures scheduled for the symposium are: "The History and Present Status of the Arms Race," by Kent Harrison, a professor of physics, today at 2:10 p.m. in 321 ELWC.

"Death of the Soul: The Antiwar Literature of Wolfgang Iser," by a professor of Postmodernism, Sanity and Survival," by Carol H. Davis, a professor of German and associate dean of the College of Humanities, Tuesday at 12:10 p.m. in 321 ELWC.

"The Enemy Inside: Recent American War Novels," by David Evans, a professor of English, Tuesday at 12:10 p.m. in 321 ELWC.

"El Salvador: Is It Another Vietnam?" by Ray C. Hillam, a professor of political science, Tuesday at

2:10 p.m. in 321 ELWC.

"Neither Shall They Learn War Any More," a student and faculty reading of poetry Tuesday at 7:30 p.m. in the Memorial Lounge, ELWC.

"Hunger, Illiteracy, and Human Misery: Legacy of the Arms Race?" by Richard H. Jackson, a professor of geography, Wednesday at 12:10 p.m. in 376 ELWC.

"Nuclear Disarmament in Europe," by Rev. Enrico Chiavacci, a professor of social ethics at the Theological Institute of Florence, and Anne Grinyer, a founding member of the Lancaster District Campaign for Nuclear Disarmament, on Wednesday from 3:10-5 p.m. in A-104 JKB.

"Can Nations Love Their Enemies?" by Eugene England, an associate professor of English and a founding trustee for Food for Poland, Thursday at 10 a.m. in 205 JRCB.

Panel discussion on the role of the U.S. in Central America, led by John P. Hawkins, an assistant professor of anthropology, and Philip M. Flammer, a professor of history, Thursday at 3:10 p.m. in 205 JRCB.

"Just War and the Illusion of National Innocence," by Neil L. York, an assistant professor of history, Friday at 12:10 p.m. in the Varsity Theater, ELWC.

"The Atomic Tigers of Manhattan: A Discourse on War as Self-Fulfilling Prophecy and on the Difference Between Just and Unjust Wars," by Alan F. Keel, an associate professor of German, Friday at 2:10 p.m. in 205 JRCB.

## Honors program time corrected

An At-A-Glance item in Friday's paper reported that the Honors Program spring banquet would be Tuesday night at 7. This is incorrect. The banquet will be Wednesday night. The Daily Universe regrets the error.

Save time with  
Classified Ads

## STOKES BROTHERS RENTALS

\$10 day for a video recorder  
\$8 day for a video disc player

Customer Pick-up Item

Customer Pick-up Item

Don't come in, just call.  
STOKES BROTHERS WILL:

- All out and approve application
- Take orders
- Some items delivered free to your home

- Credit cards, cash or checks accepted
- Free service during contract
- No credit checks

**STOKES BROTHERS 375-2000**

## ASBYU presents

# The Gak Dinga Boys

Saturday, March 27, 9 p.m., BYU Marriott Center, All seats \$9 each  
For event or ticket information, call Marriott Center Ticket Office, 378-5666

## don't be caught napping

Just in case you still need to buy a textbook for this semester:

All winter term textbooks will be taken off the shelves (to make room for next semester's books)

**March 22**

**byu bookstore**



# Synthetic-fuel issue; future still uncertain

NOTE: One analyst says synthetic fuels have had a great future on the drawing boards, but the economic future may be realized for these fuels.

By Robert Burns  
The National Geographic magazine's Aurora, Colo., office. It is one of how others have failed in the monumental task facing the Rio Blanco Shale Co.

L.R., the executive vice president, when he reviews the artistic predicting a 1920s oil boom from development of oil from shale that yields petroleum when heated to 900 degrees.

No shale boom  
The boom never came. And after years of fits and starts — and billions of dollars invested by government and industry — American shale oil has not produced a single barrel of oil for commercial use.

It always had a great future, he says. Alf Humphries, who heads energy companies for the firm Dain Bosworth Inc. in

energy experts of every stripe predict shale oil — and synthetic fuels — is a critical factor in escaping the world energy crisis. The reason is simple: Oil supplies are slowly running out.

But what you are going to have to replace the oil, so you need synthetic fuels to carry you through," says Osman Erlap, an energy analyst at Bache Halsey Stuart Shields Inc. in New York. "It's a rule of nature."

A variety of fuels can be made synthetically. The most common sources are coal and oil shale, a finely textured rock that when crushed and heated yields an oil that can be refined into a variety of products. Coal can be converted into natural gas, gasoline and other liquid fuels.

Synthetic fuels would extend the life of the world's petroleum resources, easing the pain of transforming an oil-based economy to one fueled by renewable energy resources such as solar power and nuclear fusion.

Shale investment  
And while researchers are trying to make new energy sources practical for use in homes and factories, some of the biggest investments are in the shale oil dream that has hung in suspense through much of the 20th century.

That is partly because nuclear fission, beset by high construction costs and environmental concerns, has failed to win widespread acceptance. Last year only four new nuclear plants reached commercial operation, while 44 projects were delayed and six reactors were canceled, according

to the Atomic Industrial Forum Inc., a trade group.  
Public opinion also hurts the nuclear industry. In a recent Associated Press-NBC News poll, 53 percent of those responding wanted no more nuclear plants built in the United States. Thirty-seven said more plants were needed.

And although solar power is thought to hold enormous potential in the years ahead, the liquid fuels made by synthetic processes also will be needed to fuel airplanes, vessels, trains, trucks and automobiles for years to come.

Most promising  
Shale oil is one of the most promising synthetic fuels because the United States' shale deposits are enormous. It is estimated that the Green River oil shale formation that covers 17,000 square miles of Colorado, Wyoming and Utah holds more than 20 times as much synthetic oil as there are conventional crude reserves in the entire United States.

The West is not the only source of oil shale. A second deposit sprawls in a great U-shaped formation from Michigan and Pennsylvania south to Alabama. The Eastern shale is less attractive, however, for its leaner oil yield.

While some technology for making petroleum from shale has existed for decades, the colossal cost of building commercial-sized plants has been the stumbling block. The cost of building a 50,000-barrel-a-day shale oil plant is estimated today at about \$3 billion and rising with inflation.

Industry experts estimate a barrel of oil can be squeezed from oil shale for about \$40. But the going price for oil on today's market is about \$34 a barrel, making shale oil an unprofitable commodity for the time being.

Formidable obstacles  
Besides the huge cost of development, shale oil faces other formidable obstacles, including nettlesome political, technological and social concerns.

Yet despite past disappointments, many energy experts believe shale oil's time finally has arrived.  
"It's going to become a reality this time," says Lieber. "The only question is at what pace it is developed."

For Rio Blanco and some other oil shale developers the pace has slowed in recent weeks. Rio Blanco announced it would not immediately go ahead with a demonstration project to test and evaluate its shale-processing technology.  
Lieber says Rio Blanco, a partnership of Gulf Oil Corp. and Standard Oil Co. (Indiana), will "reassess

the economic prospects for its project before deciding how to proceed toward its goal of commercial production.

And Cathedral Bluffs Shale Oil Co., a partnership of Tenneco Inc. and Occidental Petroleum Corp., announced in January it would delay indefinitely construction of its planned shale oil plant in Colorado.

Although both Rio Blanco and Cathedral Bluffs said they plan eventually to complete their projects, the

delays have raised new questions about synthetic fuels.

Major concern  
A major concern is the Reagan administration's reluctance to commit federal money to such projects. That approach is reflected by the U.S. Synthetic Fuels Corp., a quasi-governmental agency created in 1980 to finance the new industry.

The agency originally was expected to spend up to \$88 billion to help reach a goal of 2 million barrels a day of

figure there were that many honest people in the world."  
Christiansburg Police Chief Alvin Hale says he came across the wallet in a desk drawer recently.

BYU Counseling Center 149 SWKT  
Confidential personal help for personal problems.

Free to full-time students. Call 3035 for information and appointments.

figure there were that many honest people in the world."  
Christiansburg Police Chief Alvin Hale says he came across the wallet in a desk drawer recently.

BYU Counseling Center 149 SWKT  
Confidential personal help for personal problems.

Free to full-time students. Call 3035 for information and appointments.

figure there were that many honest people in the world."  
Christiansburg Police Chief Alvin Hale says he came across the wallet in a desk drawer recently.

BYU Counseling Center 149 SWKT  
Confidential personal help for personal problems.

Free to full-time students. Call 3035 for information and appointments.

figure there were that many honest people in the world."  
Christiansburg Police Chief Alvin Hale says he came across the wallet in a desk drawer recently.

BYU Counseling Center 149 SWKT  
Confidential personal help for personal problems.

Free to full-time students. Call 3035 for information and appointments.

figure there were that many honest people in the world."  
Christiansburg Police Chief Alvin Hale says he came across the wallet in a desk drawer recently.

BYU Counseling Center 149 SWKT  
Confidential personal help for personal problems.

Free to full-time students. Call 3035 for information and appointments.

figure there were that many honest people in the world."  
Christiansburg Police Chief Alvin Hale says he came across the wallet in a desk drawer recently.

BYU Counseling Center 149 SWKT  
Confidential personal help for personal problems.

Free to full-time students. Call 3035 for information and appointments.

figure there were that many honest people in the world."  
Christiansburg Police Chief Alvin Hale says he came across the wallet in a desk drawer recently.

BYU Counseling Center 149 SWKT  
Confidential personal help for personal problems.

Free to full-time students. Call 3035 for information and appointments.

figure there were that many honest people in the world."  
Christiansburg Police Chief Alvin Hale says he came across the wallet in a desk drawer recently.

BYU Counseling Center 149 SWKT  
Confidential personal help for personal problems.

Free to full-time students. Call 3035 for information and appointments.

figure there were that many honest people in the world."  
Christiansburg Police Chief Alvin Hale says he came across the wallet in a desk drawer recently.

BYU Counseling Center 149 SWKT  
Confidential personal help for personal problems.

Free to full-time students. Call 3035 for information and appointments.

figure there were that many honest people in the world."  
Christiansburg Police Chief Alvin Hale says he came across the wallet in a desk drawer recently.

BYU Counseling Center 149 SWKT  
Confidential personal help for personal problems.

## Student aides 'aid' Oakridge

Continued from page 1

are getting bigger and bigger in population, says meeting volunteers," Geary said.

Geary explained that volunteers can work with groups of children or one on one doing such as tutoring academics, cooking, sewing, children with arts and crafts and other activities.

The children are divided into groups and development. The three basic programs are individual programs are developed from are (elementary ages), intermediate (junior high school age) and secondary (18 years and up). "We work closely with parents because we design the programs for the children," said.

In addition to subjects such as academics and arts, the students in the intermediate and secondary groups participate in a daily living learning skills like food preparation and sewing. The classroom looks like a model apartment with a kitchen, bedroom, living room and dry room.

Best students also have a class in community where they learn skills such as money management and grocery shopping. Geary said the students take a shopping trip each week to a nearby grocery store to buy food and back to prepare during the daily living class.

All the students have a swimming class Tuesday morning at the Richards Building.

Volunteers work with each student individually. Oakridge also has a music program for all the students.

Oakridge students are also invited to assemblies at the nearby Wasatch Elementary School so the students can have interaction with other children, she said. The Oakridge elementary and intermediate-age students also eat lunch at Wasatch.

The oldest students are usually involved in a vocational program spending half a day at Oakridge and half a day at a "sheltered workshop" where they receive job training.

After finishing school, the students go to the workshop full time and receive additional job training as well as getting paid for their contracted work. Some students eventually get jobs in the community.

"We're really fortunate to have such a good facility," Lucido said.

Geary said the school was built with room for growth. "We can handle 150 to 160 before we start to worry about space." She added that it's nice having a place built specifically for the needs of the Oakridge students.

The student aides like the school more for the students than the school itself.

"I love it," Boles said. "It's the best part of my classes. The hardest part is leaving, going back to regular school. Whenever my classes say I have to do a lab at Oakridge, I say 'great!'"

## Election Debate



Impartial Issues  
will be **DEBATED**  
by the Final  
ASBYU  
Candidates



Today, March 22, 12 noon-2 p.m. Memorial Lounge ELWC.

Also come and meet the final candidates today & tomorrow



at Cannon and Morris Centers 9-6 p.m. West Patio, ELWC, and the Checkerboard from 9-5 p.m.

## Creative Dating Contest

Let the social skills you've worked on so hard here at BYU finally pay off. The date must take place between March 15 and noon March 26, and at least one person in the couple must be a BYU student.

Applications available: 4th Floor ELWC receptionist's desk

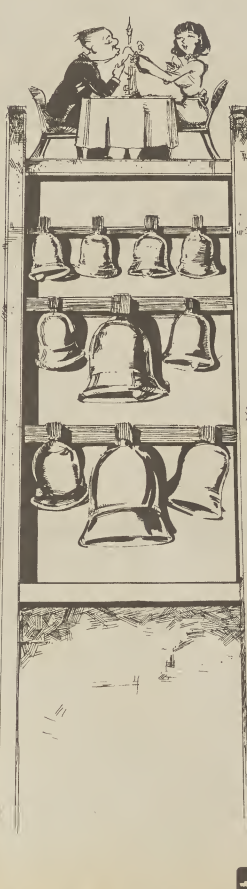
Return application to: 435 ELWC by noon March 26

1st Prize – Limo service to and from Salt Lake City  
Breakfast at the Homestead  
Park City Snow Carnival and Skiing  
Dinner at Arrowpress Square  
Golden Eagles Hockey Game  
Flight home to Provo

2nd Prize – Dinner for 2 at R. Spencer Hines & movie

3rd Prize – Dinner for 2 at Sundance Tree Room & movie

Services provided by Clark's Travel









Classified ads cont.

**AMPUZ PLAZA**  
Public to library, dis-  
tributors, 700 p. 374.

**to place to be**  
to a swimming pool  
& Sauna  
on for football  
BDO  
all Courts  
m with Free  
g pump, football  
the TV  
the complex can offer  
Henry can. Check it  
450 N. 374-9722.

**LES 2 BDRM.**  
Summ. \$160 mo.  
Call 374-4133.

**ASSADOR APPTS.**  
WOMEN-  
ivate Bedroom  
asher Drive  
100 N. 374-4133.  
vies. 4 bdrm. home, 2  
the attractive 1  
uite. Newly furn.  
mm. only \$25. Ph.  
374-4133.

**AIL LIMITED.** One  
room close to Y.  
rm. \$40/mo. 377-  
2797.

**RSH APTS.**  
tripart. 469 N. 1100  
for Fall/Winter, \$55  
rmer w/ deposit.  
374-2797.

**ORTER APTS.**  
unings now avail. for  
m. hurry! Limited  
region. 2 bks. to Y.  
to. \$30 E. 600  
Call now 374-0832.

**Room for four girls in**  
a. Frvt. rms. W.D.  
374-4133.

**now, close to cam-**  
o, landlady pays all  
374-4133.

**FAIR LADY**  
AC, 3 bdrm., 2  
king, 1 blk. to Y.  
Sp. Summ., \$60,  
Fall/Winter \$80,  
225 E. 700 N. 374-  
4133.

**th bath apt. \$350, incl**  
TV & HBO. Call  
374-4133.

**HIGHBORHOOD**  
single's duplex,  
trip. - W.D. -  
er Shadows area, 2  
1, 1 gr. 1 gr. Sun-  
avail. \$150/mo. All  
225-7539.

**ACADEMY**  
**ARMS**  
-MEN-  
Spring & Summer, \$45, w/4  
per apt. Fall & Winter, \$70 and  
up.  
374-4133.

**COUPLES**  
\$125 & up (Spring & Summer  
only) \* 2 bks. to Y.  
469 N. 100 E.  
374-4133.

**MEN: Spring & Summer, privt.**  
room, water, W.D. DW.  
\$75 & up. 225-6745, Evan.  
374-4133.

**MEN: Fall & Winter, 2 bdrm.,**  
2 bath, AC, laundry, close to  
campus. \$70 & up. 374-9274  
or 374-9275.

**MARRIED: Spring/Summer**  
term only \$92/mo. & 2 bath,  
laundry, AC. \$140/mo.  
terms 374-9272, or 374-9275.

**20-Houses for Rent**  
FURN. 3 bdrm. home, family  
room, 1 yd. drive 1 y.  
written lease, no pets, no smok-  
ing. April 25th. 374-0941.  
Alpine & Cross-country rental  
child, no pets, W.D. AC.  
126-899-3527 or (200) 664-1139.

**MONTICELLO**  
**APTS.**  
NOW RENTING  
SINGLES - MEN &  
WOMEN  
Spring/Summer: \$55-65  
Fall: Men \$60-97  
Winter: Women \$90-95  
Plus Electricity  
\* 2 minute walk to I.S.S.  
\* Air-conditioning  
\* Underground parking  
\* Laundry and Storage  
\* Pool & rec. room with  
club and fitness center  
375-5274  
360 E. 800 N. - Manager  
745 N. 400 E. - Office

**Spring, Summer, & Fall**  
Contracts still available  
\$700  
\$105/mo Fall & Winter  
\$50 Deposit  
PineView pays the utilities.

**the nice things like...**  
HEATED SWIMMING  
POOL  
GRASSY PARK & BBQ  
AREA  
That make  
PineView a  
great place  
to live  
LOSE TO CAMPUS, STORES, & BUS ROUTE  
374-9090 1565 N. Univ. Ave.

# Laetrile treatment may cause birth defects, malformations

**WASHINGTON** (AP) — Oral doses of Laetrile, the purported cancer treatment most doctors call worthless, may cause birth defects in animals and birth defects in humans, a researcher says.

In a report to be published in Science magazine, Dr. Calvin C. Wilhite says the cyanide poison that is a natural part of Laetrile caused numerous skeletal malformations in the offspring of hamsters.

"This is the first time birth defects have been found with Laetrile," Wilhite says in a telephone interview.

"We're not sure this would happen with humans, but we know there is a similar metabolic pathway in humans as in hamsters," the toxicologist continued.

"If people are still using Laetrile, I would recommend further studies with subhuman primates to see if it causes birth defects," said Wilhite, a scientist at the U.S. Agriculture Department's Western Regional Research Center in Berkeley.

The researcher said that there is at least one documented case of a pregnant woman being treated with Laetrile, a substance derived from the pits of apricots, peaches and other fruits. But because of the numbers of people taking the treatment, more pregnant women could be exposed.

Hundreds of thousands of cancer patients around the world have used the substance, and the National Cancer Institute (NCI) estimates that 70,000 Americans with the disease take it.

Because of pressure from Laetrile advocates, the federal government sponsored a major human trial of the treatment at several medical centers.

The NCI study, completed last year, concluded that Laetrile and its accompanying regimen of vitamins, enzymes and special diet "is of no substantive value in the treatment of cancer."

Although the study said "chemical use of such therapy is not justified," Laetrile has been legalized in 27 states and many Americans still go to Mexican clinics for treatments.

Wilhite termed his birth-defect study "the final nail in the coffin of Laetrile."

The researcher said the federal human trial found that microorganisms in the digestive tract broke down Laetrile and caused it to release toxic cyanide.

This reaction was not found in humans or hamsters when Laetrile or its parent compound amygdalin was given through injections into

**STOKES BROTHERS**  
Calculator Sale  
Sales Ends March 27, '82

**Toshiba** Scientific Calculator with clock  
31 function scientific  
Complete clock functions  
2 alarm settings  
Stop watch & count down timer  
**14.99**

**TEXAS INSTRUMENTS** Programmable Scientific  
480 step programmable  
Up to 50 memories  
9 levels of parenthesis  
**94.99**

"We beat any competitor's advertised price or give you '100'"

**STOKES BROTHERS**  
Crem 226-6464 Provo 375-2000 See in-store poster for details

**after Six**

**OVER 1000 TUXEDOS AT LOW, LOW PRICES (WE MEET ANY PRICE!)**

- 70 styles and colors
- Sizes 32 to 58 L
- 10% off 4 or more Tuxedos
- Rental Prices from 15<sup>00</sup>
- Open 8:30-5:30 Mon.-Fri. 10:30-3 Sat.

**373-1722**

**Clark's**  
245 NORTH UNIVERSITY • PROVO

**Put a new career on your horizon.**

**You can be JOB-READY in months - not years at Stevens Henager College in Ogden and Provo!**

**TRAVEL INDUSTRY**  
**TRAVEL CAREER**  
Stevens Henager can train you for an exciting career as a reservationist, tour director or travel agent. These fascinating jobs include fringe benefits such as free trip passes, etc.

**ACCOUNTING**  
**LEARN ACCOUNTING WITH OFFICE AUTOMATION ON COMPUTER TERMINALS TO PREPARE FOR A GREAT JOB!**  
Stevens Henager will train you with the accounting skills necessary to become a bookkeeper or an accountant, occupations with bright and profitable futures

**BUSINESS**  
**BUSINESS, MARKETING AND SALES MANAGEMENT**  
Stevens Henager will effectively prepare you for an exciting career in Business management, a wide open field with many openings. In addition, you can prepare even further with skills like Marketing, and Sales management

**MEDICAL ASSISTING**  
**MEDICAL ASSISTING**  
Stevens Henager is a vital part of today's medical team. You will receive specialized instruction in performing all the skills important in today's medical office. You may assist in both patient care and administrative areas of medical practice.

**SECRETARIAL**  
**LEGAL, MEDICAL OR GENERAL SECRETARIAL (Includes Word Processing)**  
Stevens Henager knows there is a shortage of truly qualified secretaries. So you will learn to qualify on all the latest business machines, gain clerical skills and prepare for general secretarial work or specialize in the legal or medical field

**Don't Go Home a Dropout**

If you find that four years is not the answer, but you would like to stay in the Utah area — Stevens Henager is the answer. You can be job ready in months, NOT YEARS!

**Monday thru Thursday: Regular classes. Fridays are for individualized tutoring for students who need it.**

**We issue Associate Degrees and Diplomas**

**YES! I am interested in becoming EMPLOYABLE AND PROMOTABLE**

check interested career

☐ Accounting  
☐ Secretarial  
☐ Legal Secretary  
☐ Medical Secretary  
☐ Marketing and Sales  
☐ Business Management  
☐ Travel Careers  
☐ Medical Asst.  
☐ Administrative Asst.  
☐ Medical Office Mgt.  
☐ Receptionist  
☐ Computer Training  
☐ Word Processing

Please send me your complete information packet!

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Telephone \_\_\_\_\_

Starting Date  
☐ Winter (Jan) ☐ Spring (Apr) ☐ Summer (July) ☐ Fall (Sept)  
☐ Financial Aid? ☐ Housing? ☐ LDS Institute?

**Stevens Henager College**  
NOW TWO CAMPUSES TO SERVE YOU  
PROVO  
250 West Center • 84601 2351 Grant Avenue • 84401  
Tel. (801) 375-5455 Tel. (801) 394-7791

**REGISTER NOW**



# Portable process filters blood

BOSTON (AP) — Instead of ordinary dialysis, thousands of diabetics whose kidneys have failed may soon be using a blood-filtering process that doctors say is cheaper, faster and more effective.

This portable method uses the patient's internal membranes to screen impurities from their blood without requiring them to travel several times a week to dialysis centers. The method requires patients to have a catheter installed in their abdomens and to attach it to a plastic bag that is worn internally.

Canadian researchers who helped develop the treatment, called continuous ambulatory peritoneal dialysis, say it is far more effective than standard hemodialysis for diabetics.

"In the near future, it may become the treatment of choice in those (diabetics) requiring dialysis," they wrote in the current edition of the "New England Journal of Medicine," to be issued Thursday.

More than 47,000 Americans now receive dialysis, and one in four of them is a diabetic whose kidneys have failed. Most of these patients receive hemodialysis, a time-consuming process that uses a machine to filter impurities from the blood.

## Synthetic fuel viewed

Continued from page 7

synthetic production by 1992. The Synthetic Fuels Corp. now is not expected to spend more than the \$17.5 billion authorized in the first phase of the synthetic fuels program.

And in Reagan's proposed 1983 budget, spending on energy research and development — including solar and other renewable resources — is slashed by one-third.

That worries many companies. H.R. Newton, president of Wycolgas, which recently withdrew from a proposed partnership to build and operate a coal gasification plant in Wyoming, said the project was scrapped partly because of uncertainty over the Synthetic Fuels Corp.'s policies on synthetic gas projects.

**Synthetics scaled back**  
James Edwards, the secretary of Energy, says scaling back the Synthetic Fuels Corp.'s involvement is consistent with the administration's effort to reduce the size and scope of the federal government.

"Government has been the cause of our energy problem," Edwards says, adding that private companies, not the government, should determine the feasibility of energy projects.

Some members of Congress agree. Rep. Hank Brown, D-Colo., recently said he favored abolishing the Synthetic Fuels Corp. as soon as possible. "We can't justify corporate welfare for major energy companies that can afford to pay their own way," Brown says.

**Government expectations**  
But some energy experts think the government is expecting too much of private business. "We're all believers in the market-

## Competitive running

Continued from page 3

Moody suggests the St. George marathon as an excellent race for the beginner because it is conducted in October and the course is relatively flat.

The Golden Spike Marathon in May of each year, although Moody thinks it is a boring course, is well-planned and organized. Because it is cooler in May, he also recommends this race to the beginner.

Moody considers the Boston Marathon a good race — not for the first-time marathoner, because it requires a qualifying time — for the newly experienced runner.

"When they told me I had just completed Heartbreak Hill at the Boston Marathon, I couldn't believe it — it was so much easier than Little Mountain in the Desert News Marathon," Moody says. "Really, I consider the Boston easier than the Desert News and Golden Spike Marathons."

Moody ran his fastest time at the Boston Marathon, finishing in 2

Dr. Dimitrios Oreopoulos of Toronto Western Hospital, who directed the study, said in an interview that non-diabetics who are doing well on hemodialysis should not switch to the new method until doctors have had more experience with it.

However, diabetics ordinarily do poorly on hemodialysis. In one study, only 34 percent survived after three years of treatment.

With peritoneal dialysis, blood is purified by the peritoneum, the membrane that lines the abdomen.

A catheter is permanently installed in a patient's abdomen. At home, he attaches a plastic bag containing two liters of dialysis liquid and drains it into his abdomen, then folds up the bag and stores it in his pocket, leaving it attached to the catheter by a tube. Six to eight hours later, he drains out the liquid and then repeats the process.

Patients can move about freely while carrying the fluid inside themselves.

In the Canadian study, doctors put 20 diabetics with kidney failure on peritoneal dialysis, and 81 percent were still alive after two years. All were able to resume nearly normal lives.

place, but establishing a stable energy future for all of us transcends the value of relying strictly on the marketplace," says Bernard Lee, president of the Institute of Gas Technology, a non-profit energy research and development firm based in Chicago. "To rely on the marketplace as the sole index of deciding when to develop (synthetic fuels) is wrong."

The American public apparently agrees. In a recent Associated Press-NBC News nationwide poll asking whether the government had done enough to plan for energy needs, two-thirds said no.

Enthusiasm for synthetic fuels, heightened during the oil emergency that resulted from the Iranian revolution in 1978-79, has been dampened also by declining oil prices. And some energy economists think oil prices will not rise as fast as the general inflation rate throughout this century.

**Projects move ahead**

Nonetheless, some synthetic fuels projects are moving ahead. For example the Energy Department in early February signed a \$2 billion loan guarantee for a coal gasification project to be built in North Dakota by a group of companies headed by American Natural Resources Co. That plant would be the nation's first large-scale synthetic fuels plant, producing 125 million cubic feet of synthetic natural gas a day by 1985.

Robert Case, deputy director of the Colorado Energy Research Institute in Golden, Colo., says he believes energy companies will go ahead with synthetic projects even if economic conditions don't seem to justify it.

One danger of the treatment is the risk of developing an infection called peritonitis. The Canadian researchers found that their patients had this infection, on average, once every 21 months.

Oreopoulos replied that infections will grow less common as more research is done. "I have no doubt that the infection rate will go down to a

## Heart-attack victims fare no better in '80s

CHICAGO (AP) —

Despite medical advances in treating heart-attack victims, patients' prospects for long-term survival were apparently no better in the mid-1970s than a decade earlier, new research suggests.

Heart-attack deaths did decline about 25 percent between 1968 and 1978, but the cause of the decline has been hotly debated for years.

The new research, reported in the March 19 issue of the Journal of the American Medical Association, suggests that while the spread of cardiac-care units may

have helped keep victims alive during the acute phase of their illness, there is no evidence that medical improvements have had any long-term effect.

The study compared persons who survived heart attacks in two periods — roughly the late-1960s and mid-1970s — and found no difference in prognosis among patients in the

two groups.

The study involved 1,138 men 35 to 64 years old who survived a heart attack. It compared the risks of death during a 4½-year period after the patient's first medical exam following the heart attack.

In the first group of 427 patients, 61 died within 4½ years; there were 112 deaths among 694 patients in the 1970s group. Allowing for age, severity of disease and other factors, the difference in death rates was statistically insignificant, the study concluded.

The study was con-

ducted by the Health Insurance Plan of Greater New York, a prepaid group practice plan, now a health maintenance organization.

The results suggest that if improved medical care contributed to the decline in heart-disease deaths, it probably was in the area of acute care associated with the introduction of coronary-care units.

An accompanying editorial in the Journal said that the conclusion is a "bitter pill" for those who took pride in the improvements in medical care.

**Diamond Gallery**  
DIRECT FROM THE CUTTER TO YOU WITH NO SHORTCUT ON QUALITY.  
IF YOU BRING THIS AD IN WITH YOUR PURCHASE, YOU CAN BUY YOUR DIAMOND AT A 40% DISCOUNT  
22 W. Center St. Phone 374-5511

## Ga. Gun law approved

KENNESAW, Ga. (AP) — There's a new law in Georgia that requires citizens to own guns.

The five-member City Council voted unanimously Monday night to enact the law requiring residents to maintain firearms. But there are no penalties for violations and no plans to enforce the law.

It was intended as "a kind of protest-type legislation" against gun-control laws, Councilman Jerry Worthan said. The Kennesaw ordinance, which goes into effect March 24, states: "In order to provide for and protect the safety, security and general welfare of the city and its inhabitants . . . every head of household residing in the city limits . . . is required to maintain a firearm, together with ammunition thereof."

A companion editorial in the Journal said that the conclusion is a "bitter pill" for those who took pride in the improvements in medical care.

**TOUR EUROPE AND SAVE**  
Porsche-Audi-VW announces their New European Delivery Plan that not only saves you money on the purchase price of your new Porsche, Audi or VW but also pays for shipment back to the states. Savings like you have never had before are now available. For complete details call Chuck Peterson Motors.  
400 S. University Ave., Provo, 374-1751

**Don't Go Overboard Paying For High-Priced Pizza.**  
Why settle for a one-item pizza when you can get ALL items (6) for no extra charge at the COOKIETREE?

**MONDAY Special**  
Buy a large (16") pizza for \$3.99 and get 2 large (12 oz.) drinks and 1 doc. choice FREE!  
\*OR\*  
Buy a med. (12") pizza for \$2.99 and get 1 large (12 oz.) drink and 1 doc. choice FREE!

**Free Delivery!**  
(limited delivery area)  
"FREE at COOKIETREE!"  
377-9881 1218 N. 900 E. Provo 10 a.m. to 11 p.m.

**You Don't Have To Spend A Fortune**  
STEREO CASSETTE PLAYER.

**Stereo To Go**  
by COM SOUND  
SALE PRICE  
**\$49.95**  
reg. \$79.95

Lightweight headphones let you enjoy stereo in private

by book store

Extra jack allows two of you to enjoy stereo

**LET'S TALK SKILL MODULES**  
Interpersonal Relations Center 173 SWKT, 378-4471

It's a serve yourself affair at the Interpersonal Relations Center. We're serving up a smorgasbord of skills — one hour modules on specific skills you can learn to enhance your interpersonal relationships. Just drop into our Center any weekday from 9-5, and catch a module or two in Room 151. They're free of charge. We're the Let's Talk people. We specialize in every day life.

<p><b>RESPONSIBILITY TO SELF</b> Monday, March 22 9:00 People Goals Can Be Fun 10:00 The "Social Size-Up": Should You Compare? 11:10 Decisions: Choosing the Consequences 12:10 The Power of the Positive 1:10 Wire Walking: Risk Taking in Relationships 2:10 Quality Relationships and Self Respect 3:10 Do I Really Believe What I Believe? Clarifying Values 4:10 Trusting Yourself Enough to Fail</p>	<p><b>RELATING TO OTHERS</b> Tuesday, March 23 9:00 Empathetic Listening 10:00 Devotional in Marriott Center 11:10 Openness: Being the Real You 12:10 "Thanks!": Showing Appreciation 1:10 Priest, Levite, or Samaritan: Do You Care? 2:10 Being at Ease 3:10 Breaking the Ice: Getting Acquainted 4:10 Sincerity vs. Sarcasm</p>	<p><b>INTERPERSONAL COMMUNICATIONS</b> Wednesday, March 24 9:00 Non-Verbal Communication: Does Appearance Matter? 10:00 Here-Now Interactions 11:10 The Magic of Touch 12:10 Asking For A Date 1:10 Seeing Beyond the Label: Showing You Care 2:10 Saying What You Mean: Avoiding Double Talk 3:10 Interpreting Non-Verbal Cues 4:10 Frank, Sensitive Feedback</p>	<p><b>COPING AND RELATIONSHIPS</b> Thursday, March 25 9:00 People Need People: Support Networks 10:00 Conflict Management: Doing the Unexpected 11:10 Putting Off Relationships: Why Do We Procrastinate? 12:10 Self-Confidence/Assertiveness 1:10 Making and Refusing Requests 2:10 Grief 3:10 Assertive/Aggressive/Non-Assertive Behavior 4:10 Flexibility and Personal Commitment</p>	<p><b>CREATIVE RELATIONSHIPS</b> Friday, March 26 9:00 Beyond the Games: Creative Dating 10:00 What Are They Thinking? Can I Know? 11:10 Snapping Your Relationship Into Shape 12:10 Cooperation and Competition 1:10 Communicating Concretely 2:10 The Art of Giving and Receiving Compliments 3:10 Accurate Receiving: Questioning and Clarification 4:10 A Quality Relationship: Making It Happen</p>
--	---	--	--	--

The Interpersonal Relations Center is sponsored by the College of Family Home, and Social Sciences, Communications, Educational Psychology, School of Management, Student Life.

**The Wedding Experts**  
375-8096